

## EAST Search History

| Ref # | Hits   | Search Query                                      | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|--|------------------|---------|------------------|
| L1    | 2071   | 117/12,13,37,54,208.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/10/05 16:01 |
| L2    | 18     | "dash necking method"                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/10/05 16:02 |
| L3    | 13     | l1 and l2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/10/05 16:02 |
| S1    | 6      | ((("6197108") or ("5911823") or ("5911822"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/05/30 12:01 |
| S2    | 8      | "1193054"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/05/30 11:58 |
| S3    | 1059   | 117/12,13,37,54,208.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/10/05 16:01 |
| S4    | 895746 | "silicon"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/05/30 12:01 |
| S5    | 706    | S3 and S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/05/30 12:02 |
| S6    | 29369  | "monocrystalline"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                   | OR               | OFF     | 2006/05/30 12:02 |

## EAST Search History

|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| S7  | 84034 | "single crystal"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 12:02 |
| S8  | 141   | S5 and S6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 12:02 |
| S9  | 578   | S5 and S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 12:02 |
| S10 | 96    | S8 and S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 12:03 |
| S11 | 53    | "tip end angle"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 12:03 |
| S12 | 16    | ("2543071"   "3135585"   "3271118"<br>  "3515576"   "4010064"  <br>"4040895"   "4973518"   "5769941"<br>  "5833750"   "5851287"  <br>"5885344"   "5911822").PN. | US-PGPUB;<br>USPAT;<br>USOCR             | OR | OFF | 2006/05/30 14:27 |
| S13 | 3     | "165298"  | DERWENT                                  | OR | OFF | 2006/05/30 14:27 |
| S14 | 12    | "203898"  | DERWENT                                  | OR | OFF | 2006/05/30 14:27 |
| S15 | 2     | "10203898"  | DERWENT                                  | OR | OFF | 2006/05/30 14:28 |
| S16 | 1     | "09165298"  | DERWENT                                  | OR | OFF | 2006/05/30 14:28 |
| S17 | 2     | "10324594"  | DERWENT                                  | OR | OFF | 2006/05/30 14:28 |
| S18 | 1     | "01203287"  | DERWENT                                  | OR | OFF | 2006/05/30 14:38 |
| S19 | 0     | S8  | DERWENT                                  | OR | OFF | 2006/05/30 14:28 |
| S20 | 752   | "silicon melt"  | DERWENT                                  | OR | OFF | 2006/05/30 14:38 |
| S21 | 0     | S3 and S20  | DERWENT                                  | OR | OFF | 2006/05/30 14:38 |
| S22 | 2320  | "silicon melt"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 14:38 |
| S23 | 328   | S3 and S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 14:39 |
| S24 | 1814  | "pulling rate"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 14:39 |

## EAST Search History

|     |          |                |  |    |     |                  |
|-----|----------|----------------|--|----|-----|------------------|
| S25 | 15716    | S23 adn S24    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 14:39 |
| S26 | 116      | S23 and S24    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/30 14:39 |
| S27 | 1814     | "pulling rate" | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:19 |
| S28 | 458      | "MCZ"          | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:19 |
| S29 | 73       | S27 and S28    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:21 |
| S30 | 0        | ".5"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:19 |
| S31 | 21915717 | "1"            | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:19 |
| S32 | 18532    | "mm/min"       | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:20 |
| S33 | 66       | S29 and S32    | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | OFF | 2006/05/31 17:21 |